

Abstract

An apparatus and method for modifying the appearance of a flame to maximize the size of the flame for a given amount of fuel, increase a burn rate efficiency of the flame, or change the shape of the flame. The shape and size of the flame may be
5 modified by applying a secondary source of fluid to the flame. The secondary source of fluid may cause turbulent fluid flow within the combustion chamber enclosure in which the flame is produced to change the appearance of the flame. The secondary source of fluid may be generated by a blower or fan and may include, for example, a source of fresh combustion air, additional flammable gas such as natural gas, or other fluid
10 additives for enhancement of the flame color, shape, and size.